

20700ISeq List_ST25.txt
SEQUENCE LISTING

<110> Pfizer, Inc
Dasseux, Jean-Louis
Sekkula, Renate
Buttner, Klaus
Cornut, Isabelle
Dufourcq, Jean

<120> Multimeric Apo A-I Agonist Compounds

<130> PC20700I

<140> 10/715,985
<141> 2003-11-17

<150> US 09/453,840
<151> 1999-12-01

<150> US 08/940,095
<151> 1997-09-27

<160> 258

<170> PatentIn version 3.4

<210> 1
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (16)..(16)
<223> Xaa = Naphthylalanine

<400> 1

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Xaa
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 2
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 2

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

20700ISeq List_ST25.txt

Leu Lys Gln Lys Leu Lys Lys
20

<210> 3
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 3

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Trp
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 4
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 4

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 5
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = D-Pro

<400> 5

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys Lys
20

20700ISeq List_ST25.txt

<210> 6
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 6

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 7
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 7

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 8
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 8

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 9

20700ISeq List_ST25.txt

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 9

Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 10
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (17)..(17)
<223> Xaa = Naphthylalanine

<400> 10

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Xaa Lys Gln Lys Leu Lys
20

<210> 11
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 11

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 12
<211> 22
<212> PRT
<213> Artificial Sequence

20700ISeq List_ST25.txt

<220>

<223> Synthetic Peptide

<400> 12

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Gly Lys Gln Lys Leu Lys
20

<210> 13

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 13

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 14

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (18)..(18)

<223> Xaa = Orn

<220>

<221> misc_feature

<222> (20)..(20)

<223> Xaa = Orn

<220>

<221> misc_feature

<222> (22)..(22)

<223> Xaa = Orn

<400> 14

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Xaa Gln Xaa Leu Xaa

<210> 15
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 15

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 16
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 16

Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 17
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 17

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 18
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 18

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15Leu Lys Gln Lys Leu Lys
20

<210> 19

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa = D-Pro

<400> 19

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15Leu Lys Gln Lys Leu Lys
20

<210> 20

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 20

Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Asn Glu Leu Leu Glu Ala
1 5 10 15Leu Lys Gln Lys Leu Lys
20

<210> 21

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

20700ISeq List_ST25.txt

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = D-Pro

<400> 21

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 22
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 22

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Gly
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 23
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 23

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 24
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 24

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

20700ISeq List_ST25.txt

Leu Gln Lys Lys Leu Lys
20

<210> 25
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 25

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 26
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<400> 26

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 27
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa = Naphthylalanine

<400> 27

20700ISeq List_ST25.txt

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Xaa Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 28
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 28

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 29
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 29

Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 30
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 30

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 31
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 31

Pro Val Leu Asp Leu Phe Leu Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 32
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = Aib

<400> 32

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 33
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 33

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys

<210> 34
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa = Naphthylalanine

<400> 34

Pro Val Leu Asp Xaa Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 35
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 35

Pro Val Leu Asp Trp Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 36
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 36

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 37
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 37

Pro Val Leu Asp Leu Phe Arg Glu Glu Trp Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 38
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 38

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Trp Lys Gln Lys Leu Lys
20

<210> 39
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 39

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Leu Lys Ala
1 5 10 15

Leu Lys Lys Lys Leu Lys
20

<210> 40
<211> 22
<212> PRT

20700ISeq List_ST25.txt

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 40

Pro Val Leu Asp Leu Phe Asn Glu Leu Leu Arg Glu Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 41

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 41

Pro Val Leu Asp Leu Trp Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 42

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 42

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Trp Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 43
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 43

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 44
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(22)
<223> All genetically encoded amino acids are in the D-configuration

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 44

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 45
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>

20700ISeq List_ST25.txt

<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 45

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 46
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 46

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 47
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 47

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu
1 5 10 15

Lys Gln Lys Leu Lys
20

<210> 48
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = D-Pro

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa = D-Val

<400> 48

Xaa Xaa Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 49
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 49

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Lys Leu Leu Glu Ala
1 5 10 15

Leu Glu Gln Lys Leu Lys
20

<210> 50
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 50

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Trp Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 51
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 51

Pro Val Leu Asp Leu Phe Trp Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 52
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 52

Pro Val Trp Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 53
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 53

Val Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 54
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 54

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Trp Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 55
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 55

Pro Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln
1 5 10 15

Lys Leu Lys

<210> 56
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 56

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Lys Lys
20

<210> 57
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 57

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Lys Ala
1 5 10 15

Leu Glu Gln Lys Leu Lys
20

<210> 58
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)...(13)
<223> Xaa = Aib

<400> 58

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu
20

<210> 59
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 59

Leu Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 60
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<400> 60

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln

<210> 61
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 61

Pro Val Leu Asp Glu Phe Arg Trp Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 62
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 62

Pro Val Leu Asp Glu Trp Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 63
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 63

Pro Val Leu Asp Phe Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 64
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 64

Pro Trp Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 65
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (12)..(12)
<223> Xaa = Aib

<400> 65

Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu
1 5 10 15

Lys Gln Lys Leu Lys
20

<210> 66
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 66

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 67
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 67

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu
1 5 10 15

Lys Gln Lys Leu Lys
20

<210> 68
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)...(13)
<223> Xaa = Aib

<400> 68

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Lys Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 69
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 69

Pro Val Leu Asp Glu Phe Arg Lys Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 70
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 70

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Tyr Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 71
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (14)..(4)
<223> Xaa = Aib

20700ISeq List_ST25.txt

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa = Aib

<400> 71

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Xaa Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 72
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 72

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Trp Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 73
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 73

Pro Val Leu Asp Glu Phe Trp Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 74
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 74

Pro Val Leu Asp Lys Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 75
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 75

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 76
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 76

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Phe Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys

<210> 77
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 77

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Lys Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 78
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 78

Pro Val Leu Asp Glu Phe Arg Asp Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 79
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 79

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

20700ISeq List_ST25.txt

Leu Lys Gln Lys Leu Lys
20

<210> 80
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 80

Pro Val Leu Asp Leu Phe Glu Arg Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 81
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 81

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Trp Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 82
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa = Aib

<400> 82

20700ISeq List_ST25.txt

Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys
1 5 10 15

Gln Lys Leu Lys
20

<210> 83
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 83

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Trp Gln Lys Leu Lys
20

<210> 84
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<400> 84

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 85
<211> 21
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<400> 85

Pro Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu
1 5 10 15

Lys Gln Lys Leu Lys
20

<210> 86
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 86

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Asp Glu Leu Leu Asn Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 87
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(22)
<223> All amino acids are in the D-configuration

<400> 87

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 88
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 88

20700ISeq List_ST25.txt

Pro Val Leu Asp Lys Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 89
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib
<400> 89

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Trp Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 90
<211> 19
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa = Aib
<400> 90

Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln
1 5 10 15

Lys Leu Lys

<210> 91
<211> 22
<212> PRT
<213> Artificial Sequence
<220>

<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 91

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 92
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 92

Pro Val Leu Asp Glu Phe Arg Glu Leu Tyr Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 93
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 93

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Lys Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys

<210> 94
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 94

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Ala Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 95
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 95

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 96
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(22)
<223> All genetically encoded amino acids are in the D-configuration

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

20700ISeq List_ST25.txt

<400> 96

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 97

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 97

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu
1 5 10 15

<210> 98

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 98

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 99

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 99

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg
1 5 10 15

Phe Leu Asp Leu Val Pro
20

<210> 100

<211> 22

20700ISeq List_ST25.txt

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(22)
<223> All amino acids are in the D-configuration

<400> 100

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 101
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 101

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Trp Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 102
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 102

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala
Page 35

1

5

20700ISeq List_ST25.txt
10 15

Leu Lys Glu Lys Leu Lys
20

<210> 103
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 103

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 104
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 104

Pro Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys
1 5 10 15

<210> 105
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 105

Pro Ala Ala Asp Ala Phe Arg Glu Ala Ala Asn Glu Ala Ala Glu Ala
1 5 10 15

Ala Lys Gln Lys Ala Lys
20

<210> 106
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 106

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala
1 5 10 15Leu Lys Gln Lys Leu Lys
20

<210> 107

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(22)

<223> All amino acids are in the D-configuration

<400> 107

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg
1 5 10 15Phe Leu Asp Leu Val Pro
20

<210> 108

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 108

Pro Val Leu Asp Leu Phe Arg Trp Leu Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15Leu Lys Gln Lys Leu Lys
20

<210> 109

<211> 22

<212> PRT

20700ISeq List_ST25.txt

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 109

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Arg Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 110

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (13)..(13)

<223> Xaa = Aib

<220>

<221> misc_feature

<222> (14)..(14)

<223> Xaa = Aib

<400> 110

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Xaa Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 111

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 111

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Trp Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 112
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 112

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Ser Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 113
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 113

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Pro Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 114
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 114

20700ISeq List_ST25.txt

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Met Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 115
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 115

Pro Lys Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 116
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 116

Pro His Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 117
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 117

Pro Glu Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 118
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = Aib

<400> 118

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala
1 5 10 15

Leu Glu Gln Lys Leu Lys
20

<210> 119
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (17)..(17)
<223> Xaa = Aib

<400> 119

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala
1 5 10 15

Xaa Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 120
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (16)..(16)
<223> Xaa = Aib

<400> 120

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Xaa
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 121
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 121

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala
1 5 10 15

Leu Trp Gln Lys Leu Lys
20

<210> 122
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 122

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Trp
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 123

20700ISeq List_ST25.txt

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 123

Gln Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 124
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (18)..(18)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (20)..(20)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (22)..(22)
<223> Xaa = Orn

<400> 124

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Xaa Gln Xaa Leu Xaa
20

<210> 125
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<400> 125

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 126

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 126

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Gly Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 127

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 127

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 128

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 128

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Phe
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 129
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 129

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 130
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 130

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 131
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 131

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Asp Ala
1 5 10 15

Leu Arg Gln Lys Leu Lys
20

<210> 132
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<400> 132

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Asn Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 133

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 133

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Gln Ala
1 5 10 15

Leu Asn Lys Lys Leu Lys
20

<210> 134

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 134

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Lys Ala
1 5 10 15

Leu Asn Gln Lys Leu Lys
20

<210> 135

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 135

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 136
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 136

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Gln Glu Leu Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 137
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (17)..(17)
<223> Xaa = Naphthylalanine

<400> 137

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Xaa Lys Gln Lys Leu Lys
20

<210> 138
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 138

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Trp
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 139

20700ISeq List_ST25.txt

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 139

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 140
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (18)..(18)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (20)..(20)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (22)..(22)
<223> Xaa = Orn

<400> 140

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Xaa Gln Xaa Leu Xaa
20

<210> 141
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 141

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 142
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 142

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 143
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(22)
<223> N-terminal acetylated and C-terminal amidated peptide

<400> 143

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala
1 5 10 15

Leu Lys Gln Lys Leu Lys
20

<210> 144
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = D-Pro

<400> 144

20700ISeq List_ST25.txt

Xaa Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 145
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 145

Gly Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 146
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<400> 146

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 147
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<400> 147

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Phe Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 148
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 148

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Gly Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 149
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 149

Pro Val Leu Glu Leu Phe Glu Asn Leu Trp Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 150
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 150

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 151
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 151

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Gly Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 152
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 152

Pro Val Phe Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 153
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 153

Ala Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 154
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 154

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Gly Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 155
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 155

Pro Val Leu Glu Leu Phe Leu Asn Leu Trp Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 156
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 156

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 157
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 157

Pro Val Leu Glu Phe Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 158
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 158

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Trp
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 159
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 159

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 160
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 160

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Trp
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 161
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 161

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 162
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 162

Pro Val Leu Glu Leu Phe Glu Asn Trp Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 163
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 163

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Trp Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 164
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 164

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Trp Gln Lys Lys Leu Lys
20

<210> 165
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 165

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Leu
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 166
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 166

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 167
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 167

Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 168
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 168

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 169
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 169

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 170
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (12)...(12)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (19)...(19)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (20)...(20)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (22)...(22)
<223> Xaa = Orn

<400> 170

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Xaa Leu Leu Asp Ala
1 5 10 15

Leu Gln Xaa Xaa Leu Xaa
20

<210> 171
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 171

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Leu
1 5 10 15Leu Gln Lys Lys Leu Lys
20

<210> 172

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 172

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Gly Asp Ala
1 5 10 15Leu Gln Lys Lys Leu Lys
20

<210> 173

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 173

Pro Val Leu Asp Leu Phe Asp Asn Leu Leu Asp Arg Leu Leu Asp Leu
1 5 10 15Leu Asn Lys Lys Leu Lys
20

<210> 174

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(22)

<223> All amino acids are in the D-configuration

<400> 174

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 175
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 175

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Leu
1 5 10 15

Leu Asn Lys Lys Leu Lys
20

<210> 176
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 176

Pro Val Leu Glu Leu Trp Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 177
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 177

Gly Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 178
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 178

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Lys Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Arg
20

<210> 179
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 179

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 180
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 180

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Arg
20

<210> 181
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 181

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Trp Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 182
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 182

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Glu Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 183
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 183

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 184
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 184

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Trp Gln Lys Lys Leu Lys
20

20700ISeq List_ST25.txt

<210> 185
<211> 22
<212> PRT
<213> Artificial Sequence

<220> Synthetic Peptide

<220>
<221> misc_feature
<222> (19)..(19)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (20)..(20)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (22)..(22)
<223> Xaa = Orn

<400> 185

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Xaa Xaa Leu Xaa
20

<210> 186
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 186

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 187
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 187

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
Page 62

1

5

20700ISeq List_ST25.txt
10 15

Leu Asn Lys Lys Leu Lys
20

<210> 188
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 188

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Asp Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 189
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 189

Asp Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Lys
20

<210> 190
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 190

Pro Val Leu Glu Phe Trp Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala
1 5 10 15

Leu Gln Lys Lys Leu Arg
20

<210> 191
<211> 18

20700ISeq List_ST25.txt

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 191

Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 192
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 192

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 193
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 193

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
Page 64

Leu Lys

<210> 194
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 194

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 195
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 195

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 196
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 196

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Asn Lys
1 5 10 15

Leu Lys

<210> 197
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 197

Pro Leu Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 198
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 198

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

20700ISeq List_ST25.txt

<210> 199
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 199

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 200
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 200

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 201
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

20700ISeq List_ST25.txt

<400> 201

Pro Leu Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 202
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 202

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Lys
1 5 10 15

Leu Arg

<210> 203
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 203

Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 204
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 204

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 205
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 205

Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 206
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 206

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 207
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 207

Pro Val Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 208
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 208

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Arg
1 5 10 15

Leu Lys

<210> 209
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 209

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys
Page 70

Leu Lys

<210> 210
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 210

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 211
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (16)..(16)
<223> Xaa = Orn

<220>
<221> misc_feature
<222> (18)..(18)
<223> Xaa = Orn

<400> 211

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Xaa Gln Xaa
1 5 10 15

Leu Xaa

20700ISeq List_ST25.txt

<210> 212
<211> 18
<212> PRT
<213> Artificial Sequence

<220> Synthetic Peptide

<220> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<220> misc_feature
<222> (7)..(7)
<223> Xaa = Orn

<220> misc_feature
<222> (14)..(14)
<223> Xaa = Orn

<220> misc_feature
<222> (16)..(16)
<223> Xaa = Orn

<400> 212

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Glu Glu Leu Xaa Gln Xaa
1 5 10 15

Leu Lys

<210> 213
<211> 18
<212> PRT
<213> Artificial Sequence

<220> Synthetic Peptide

<220> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 213

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Phe Arg Gln Arg
1 5 10 15

Leu Lys

20700ISeq List_ST25.txt

<210> 214
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<220>
<221> misc_feature
<222> (1)..(1)
<223> D-configuration of Pro

<400> 214

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 215
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 215

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Trp Lys Gln Lys
1 5 10 15

Leu Lys

<210> 216
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 216

20700ISeq List_ST25.txt

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 217
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 217

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Leu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 218
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 218

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys
1 5 10 15

Leu Lys

<210> 219
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 219

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Gln Lys
1 5 10 15

Leu Lys

<210> 220
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 220

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Gln Lys Lys
1 5 10 15

Leu Lys

<210> 221
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 221

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 222
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 222

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Leu Gln Leu
1 5 10 15

Lys Lys

20700ISeq List_ST25.txt

<210> 223
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 223

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Ala Gln Leu
1 5 10 15

Lys Lys

<210> 224
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 224

Pro Val Leu Asp Leu Phe Arg Glu Gly Trp Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 225
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide
<400> 225

Pro Val Leu Asp Ala Phe Arg Glu Leu Ala Glu Ala Leu Ala Gln Leu
1 5 10 15

Lys Lys

<210> 226
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 226

Pro Val Leu Asp Ala Phe Arg Glu Leu Gly Glu Ala Leu Leu Gln Leu
1 5 10 15

Lys Lys

<210> 227

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 227

Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 228

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 228

Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 229

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 229

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Gly Lys Gln Lys
1 5 10 15

Leu Lys

<210> 230

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 230

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Gln Lys Lys
1 5 10 15

Leu Lys

<210> 231

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 231

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Glu Gln Lys
1 5 10 15

Leu Lys

<210> 232

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 232

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

Leu Lys

<210> 233

<400> 233
000

<210> 234

<400> 234
000

<210> 235

<400> 235
000

<210> 236

<400> 236
000

<210> 237

<211> 18
<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 237

Leu Asp Asp Leu Leu Gln Lys Trp Ala Glu Ala Phe Asn Gln Leu Leu
1 5 10 15

Lys Lys

<210> 238

<211> 18
<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 238

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 239
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 239

Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 240
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 240

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe

20700ISeq List_ST25.txt

<210> 241
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 241

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe

<210> 242
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 242

Gly Ile Lys Lys Phe Leu Gly Ser Ile Trp Lys Phe Ile Lys Ala Phe
1 5 10 15

Val Gly

<210> 243
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 243

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 244
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

20700ISeq List_ST25.txt

<400> 244

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe

<210> 245

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 245

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe

<210> 246

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 246

Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 247

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 247

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Phe Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe

20700ISeq List_ST25.txt

<210> 248
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 248

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 249
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 249

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Glu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 250
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 250

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 251
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(18)
<223> N-terminal acetylated and C-terminal amidated

<400> 251

Glu Trp Leu Lys Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu
1 5 10 15

Leu Phe

<210> 252
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(15)
<223> N-terminal acetylated and C-terminal amidated

<400> 252

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Gln Lys Leu Lys
1 5 10 15

<210> 253
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(16)
<223> N-terminal acetylated and C-terminal amidated

20700ISeq List_ST25.txt

<400> 253

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys
1 5 10 15

<210> 254

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(16)

<223> N-terminal acetylated and C-terminal amidated

<400> 254

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Lys Gln Lys
1 5 10 15

<210> 255

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(15)

<223> N-terminal acetylated and C-terminal amidated

<400> 255

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Gln Lys
1 5 10 15

<210> 256

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc_feature

<222> (1)..(16)

<223> N-terminal acetylated and C-terminal amidated

<400> 256

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys
Page 85

<210> 257
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(16)
<223> N-terminal acetylated and C-terminal amidated

<400> 257

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Lys Gln Lys
1 5 10 15

<210> 258
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<220>
<221> misc_feature
<222> (1)..(16)
<223> N-terminal acetylated and C-terminal amidated

<400> 258

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Lys Gln Lys
1 5 10 15